Mounting Hardware Guide

The key to a successful and trouble-free installation is the selection of appropriate mounting hardware. Versa-Gard offers the most comprehensive array of mounting hardware for food protection systems. Our hardware is designed to accommodate any field condition and/or any mounting surface and gives the advantage of complete flexibility on-site before, during and after installation. No matter what size, shape or method of fastening is required, the Versa-Gard mounting hardware will allow for quick and immediate change-out and/or replacement if necessary.

MOUNTING HARDWARE SELECTION IS CRITICAL FOR SEVERAL REASONS:

1) Strength – proper hardware and proper mounting adds to the strength and stability of the overall food protector. It is imperative that the hardware is securely fastened to the mounting surface with the proper fasteners.
2) Durability – loose-fitting hardware allows for vibration and movement, which will loosen fasteners and cause threads to wear over time.
3) Structural Integrity – the ability to support weight is critical with extended-spans, top shelves, thicker glass, etc. Inappropriate mounting hardware may cause a food protector to collapse or fail.
4) Efficient Operation – loose hardware and/or improper mounting can impair the smooth operation of units with adjustable and/or moveable panels. Improper mounting may cause adjustable hardware to jam, and in some cases, glass breakage.

BEFORE SELECTING HARDWARE, ASK THE FOLLOWING QUESTIONS:

1 Is there sufficient access below the counter for the installer to reach each support location?
2 Is there sufficient space around each support location to place a below-counter mounting plate, washer, or flange?
3 Does the counter have sufficient blocking below to:
- Accommodate the weight of the food protector?
- Impede the deflection and bending of the surface, such as with stainless steel?

4 Are there electrical components that require wire feeds?

SPECIAL CONSIDERATIONS:

WIRING CONCEALMENT:
When installing a light fixture or food warmer in a food protector, at least one support will be required to act as a conduit for the wiring to feed from the food protector to the inside base of the cabinet. In some instances, depending on the quantity of lights and/or warmers, two or more supports are required to conceal the wiring. The location of the supports, depending on the countertop surface material, is critical.

AVAILABLE SPACE FOR MOUNTING:
When mounting to a solid surface material, marble, granite or tile, special consideration must be given to the location of holes in the substrate. Please follow the manufacturer's fabrication guidelines for the specific material and allow for the proper clearances and spacing between holes and edges. In many instances, there is only a small clearance between the equipment being protected (drop-in pans and the like) and the front or side edges of the countertop. Under-counter blocking and surface material are critical factors and special consideration must be give to the type of hardware to be used.

STAINLESS STEEL COUNTERTOPS:
Most stainless steel counters require blocking below the surface to support the weight of equipment above. It is not unusual for the food protectors to flex and bend when appropriate blocking is not provided below the counter. Food protectors with a rear leg support or a table-shaped (4-legged) structure are self-supporting and do not require under-counter blocking.

MOUNTING STYLES:

Surface-Mount
- Fastener head is visible
- No requirements for under-counter access
- Best when mounting to existing equipment / surfaces

Concealed-Mount
- No visible fasteners at counter surface
- Access required below the counter surface

Soffit / Ceiling / Wall Mount
- These applications typically require additional blocking and/or reinforcement. Please consult the factory for special application requirements.

ALL FASTENERS SUPPLIED WITH VERSA-GARD PRODUCTS ARE STAINLESS STEEL, GRADES 316, 18-8, OR 410

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BASIC SURFACE MOUNT OPTIONS

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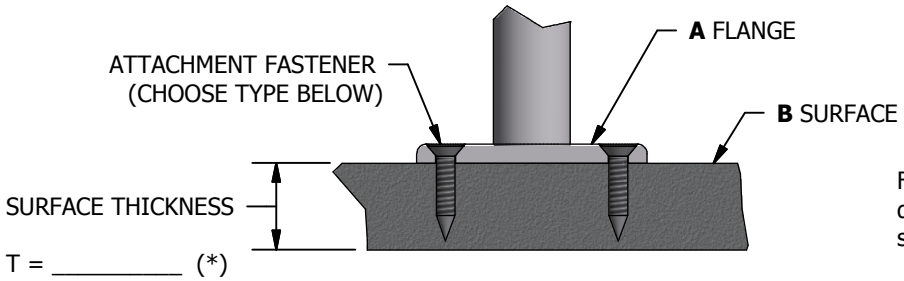
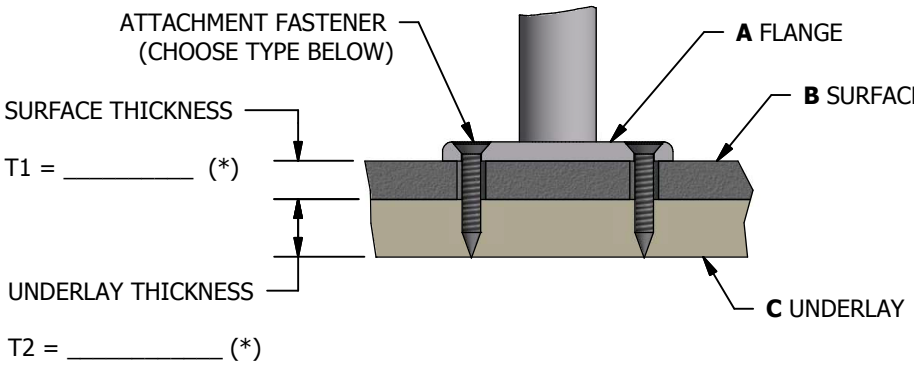
OPTION S1 ☐



Flange **A** attaches directly to countertop surface **B**

(* Please provide Countertop thickness)

OPTION S2 ☐



Flange **A** attaches to underlay **C** and fasteners pass through countertop surface **B**

(* Please provide Countertop and Underlay thickness)

FLANGE OPTIONS FOR S1 & S2:

☐ FL4.1Q ☐ FL5R.1Q ☐ FL30 ☐ FL31 ☐ FL11 ☐ FL15 ☐ FL16 ☐ FL23

ATTACHMENT FASTENER OPTIONS FOR S1 & S2:

☐ FLAT HEAD STAINLESS STEEL SHEET METAL SCREW, #12 - TYPE A
☐ 1-1/4" ☐ 2" ☐ 2-1/2"

☐ FLAT HEAD STAINLESS STEEL MACHINE SCREW, 1/4"-20 NC
☐ 1" ☐ 1-1/4" ☐ 2"

☐ INCLUDE HEX NUT AND FLAT WASHER FOR MACHINE SCREW

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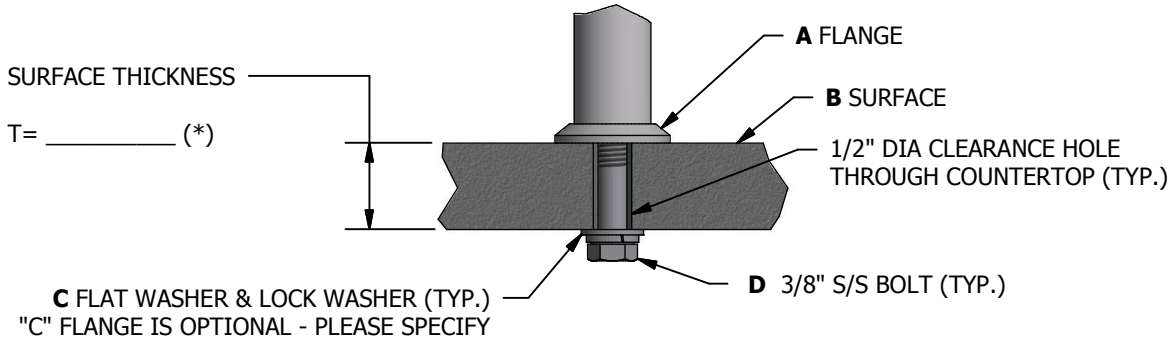
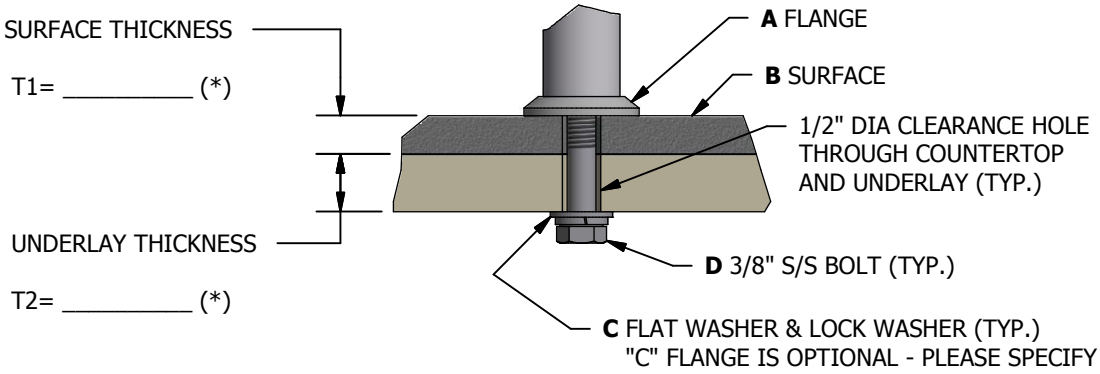
BASIC CONCEAL MOUNT OPTIONS

OPTION C1 ☐



(* Please specify Countertop thickness)

OPTION C2 ☐



(* Please specify Countertop and Underlay thickness)

FLANGE OPTIONS FOR C1 & C2:

A FLANGE OPTIONS

☐ FL7-15 ☐ FL7-25

C FLANGE OPTIONS

☐ FL7-15 ☐ FL7-25

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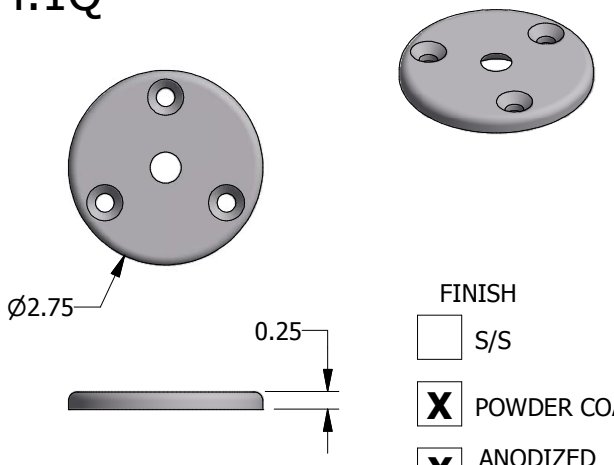
FL4.1Q



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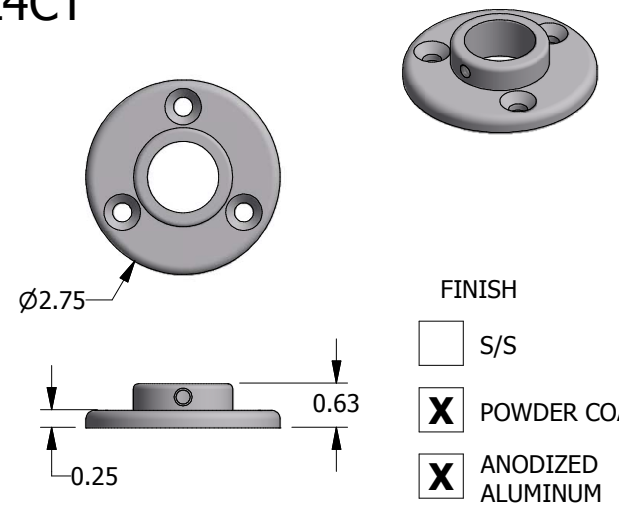
- [X] ANODIZED ALUMINUM

FL4CT



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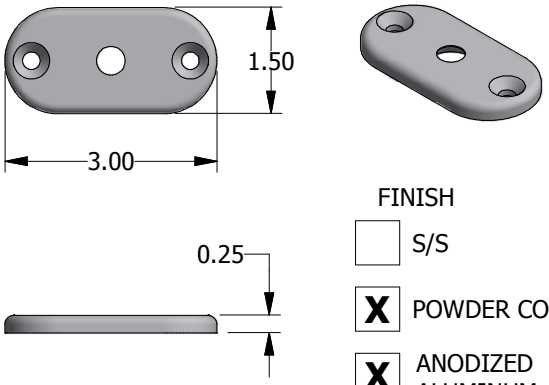
FL5R.1Q

THIS FLANGE IS ONLY TO BE USED ON UNITS WITH A TABLE-LIKE STRUCTURE



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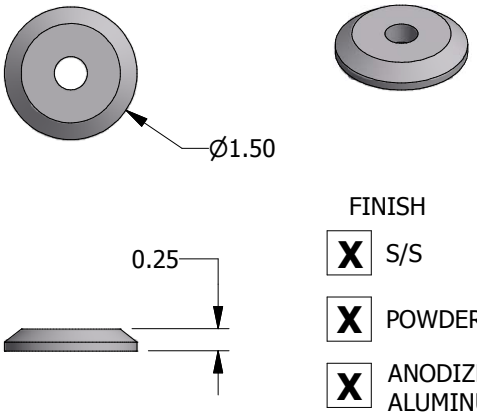
FL7-15



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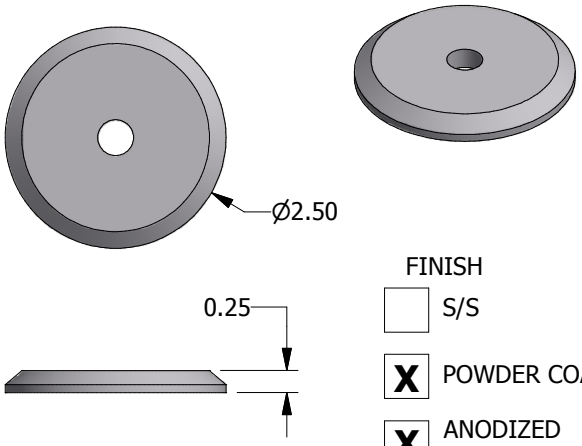
FL7-25



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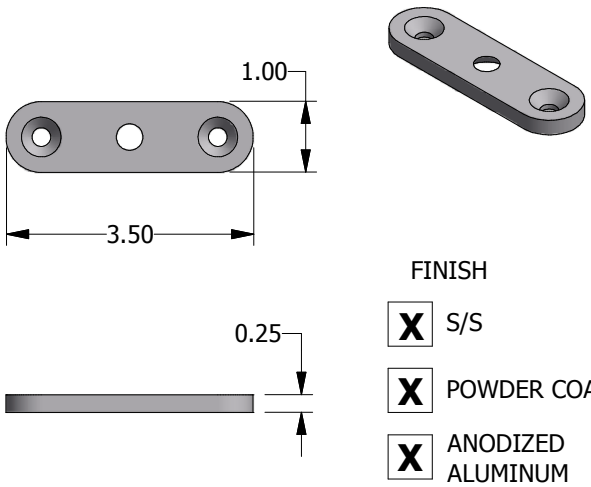
FL11



FINISH
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- [X] ANODIZED ALUMINUM

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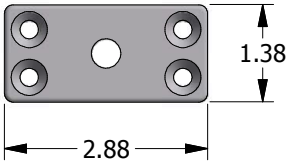
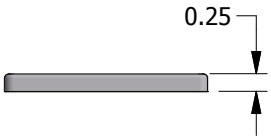
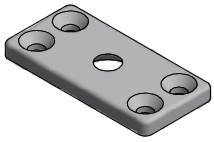
FL30







FINISHES

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- [X] POWDER COAT
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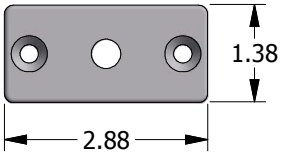
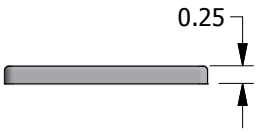
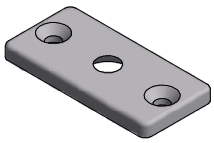
FL31







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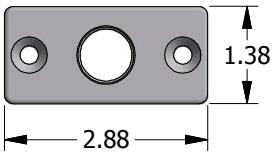
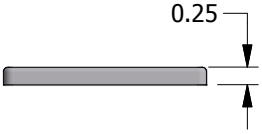
FL32





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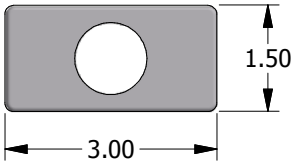
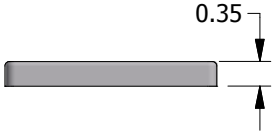
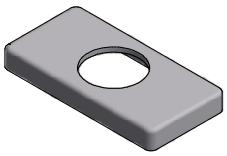
FL33 COVER PLATE







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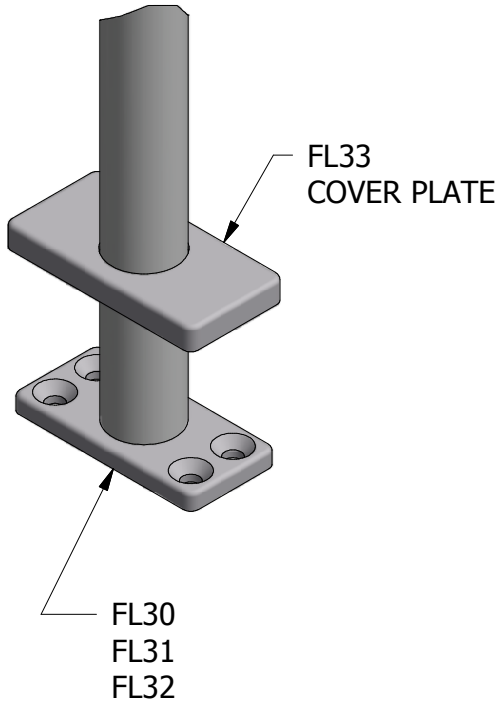
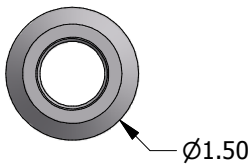
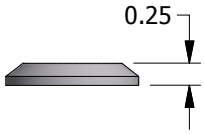
FL30-33 FLANGE SYSTEM



FL34





FINISHES

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- [X] POWDER COAT
- [X] ANODIZED ALUMINUM

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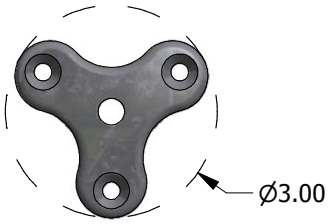
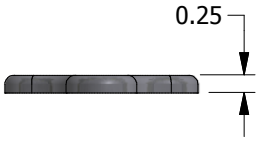
FL15





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FL16

FINISHES

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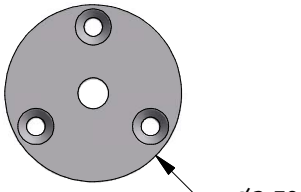
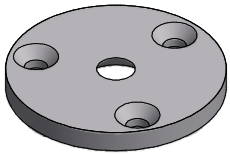
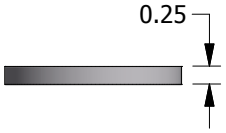
- [ ] ANODIZED ALUMINUM

FL23







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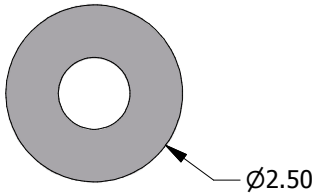
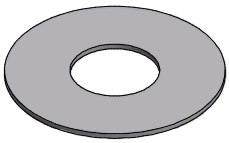
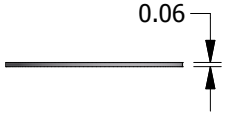
FL23CP







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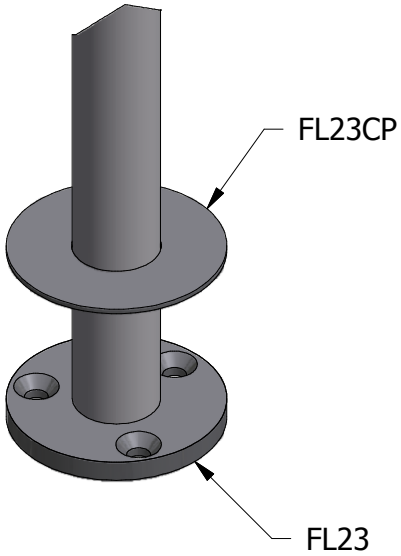
FL23 FLANGE SYSTEM



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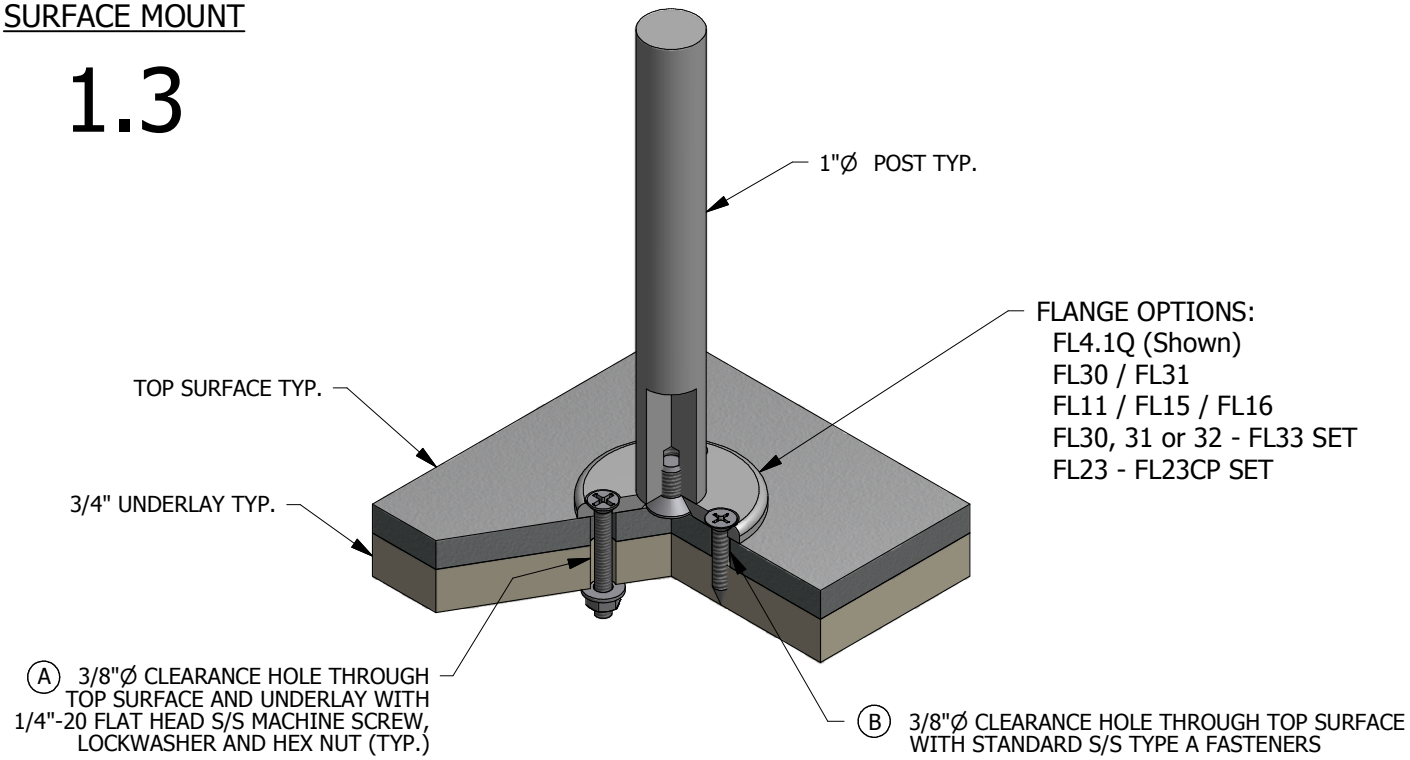
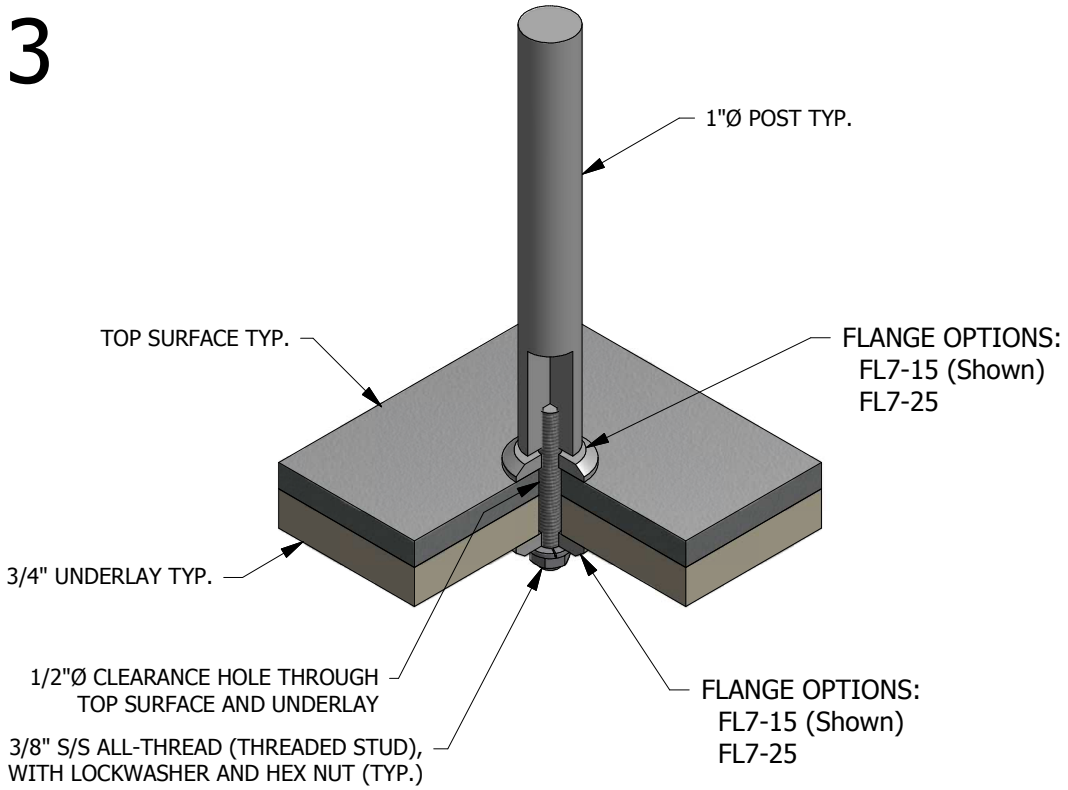
STANDARD SUPPORT POST
SURFACE MOUNT

1.3



STANDARD SUPPORT POST
CONCEALED MOUNT

2.3



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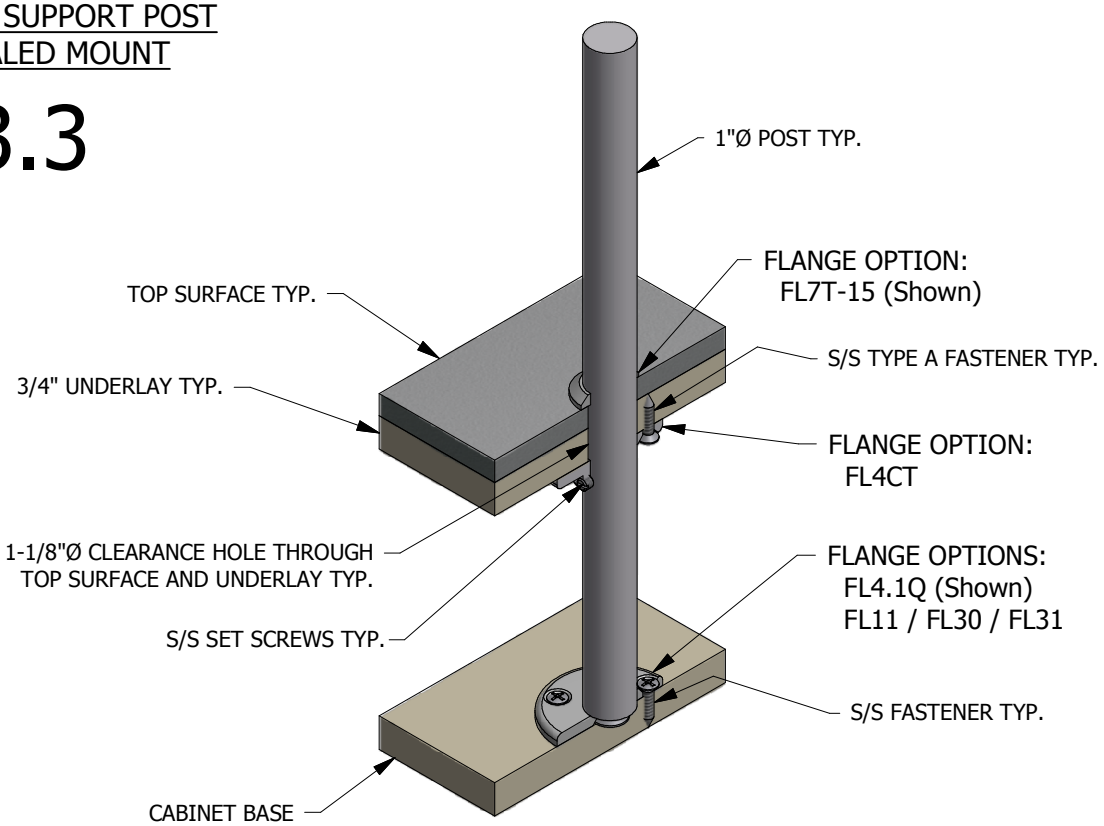
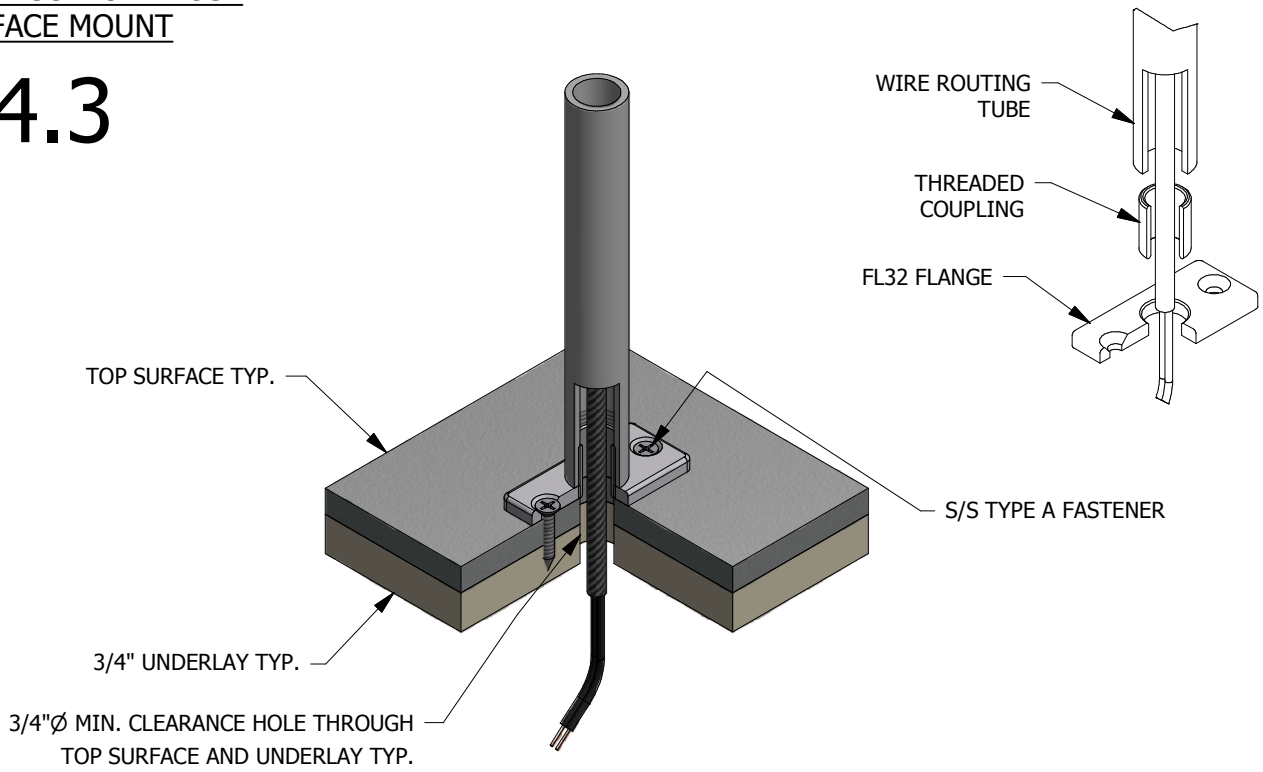
STANDARD SUPPORT POST
CONCEALED MOUNT

3.3



WIRE FEED SUPPORT POST
SURFACE MOUNT

4.3



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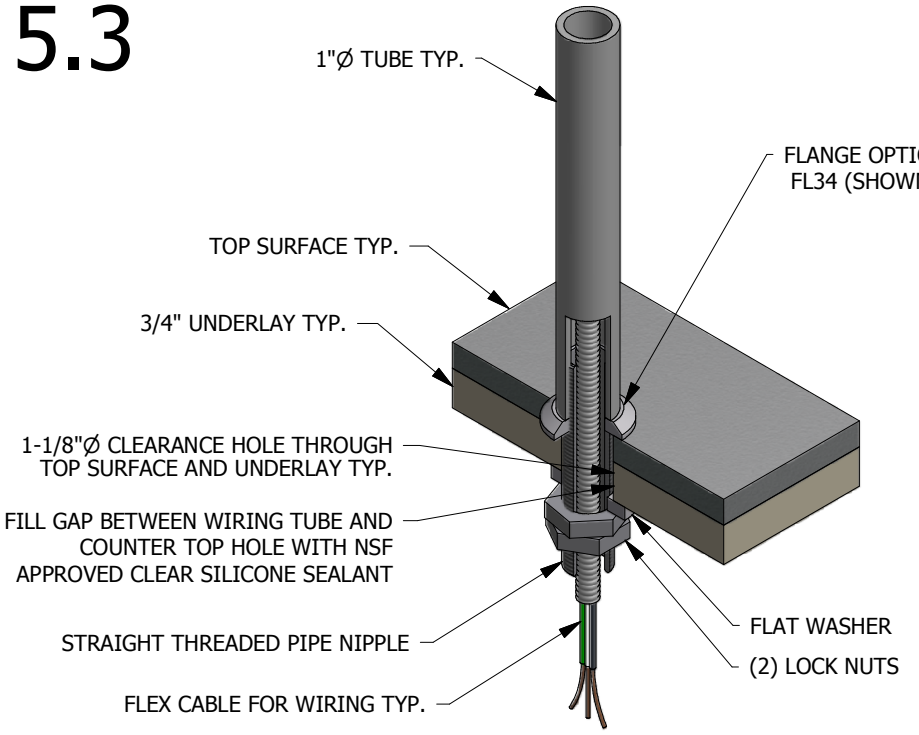
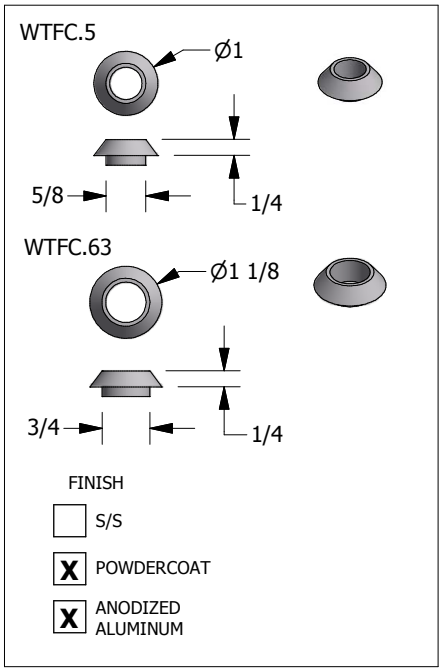
WIRE FEED SUPPORT POST
CONCEALED MOUNT

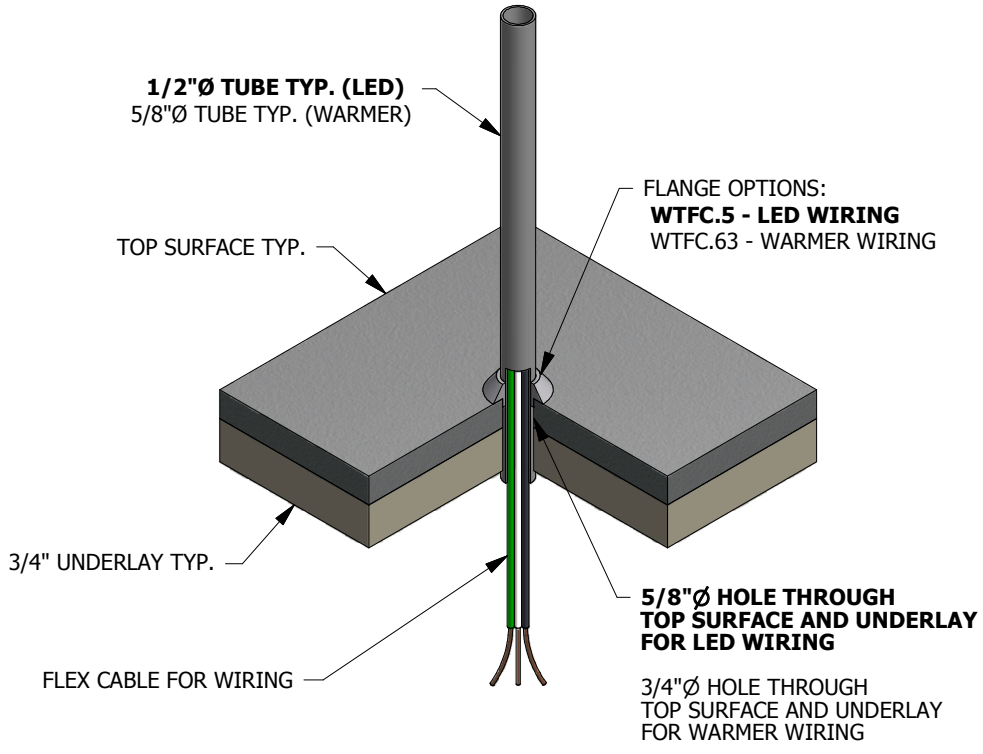
5.3



WIRE FEED TUBE

6.3





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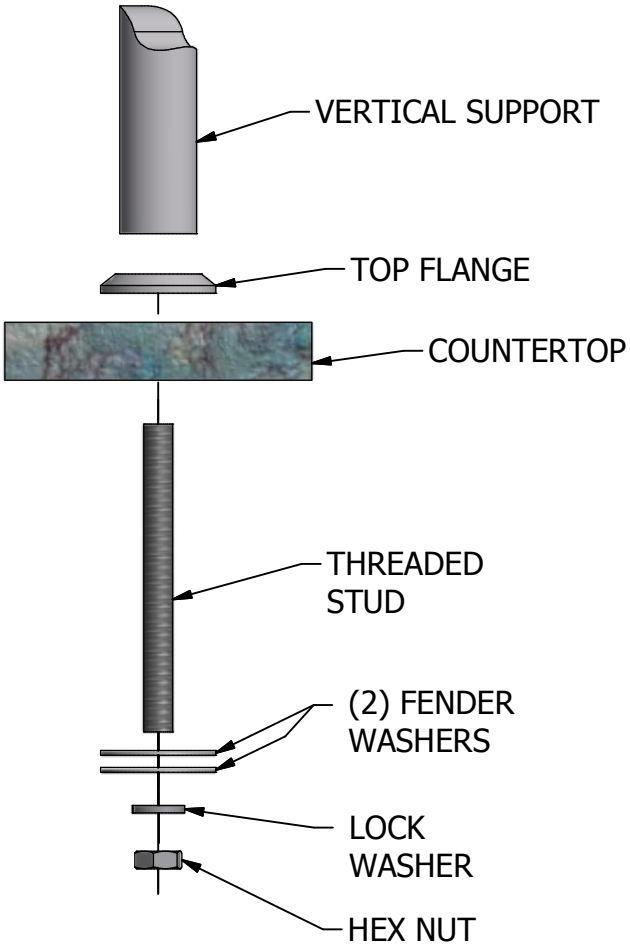
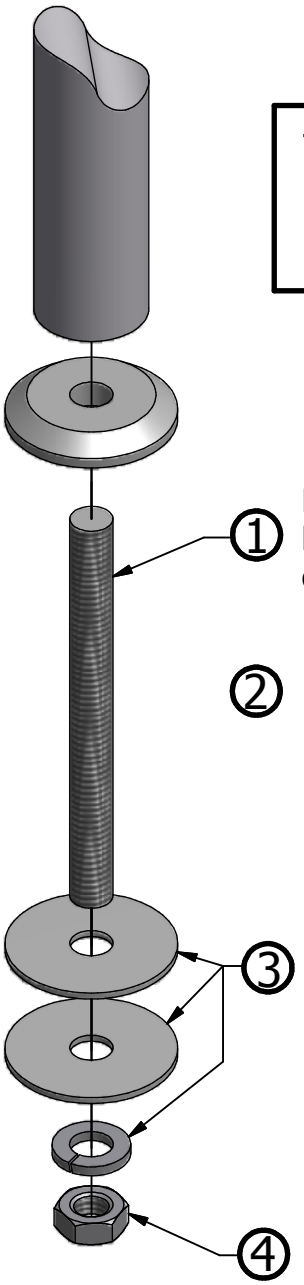
INSTALLATION GUIDE

CONCEALED-MOUNT FASTENING SYSTEMS

Thread locker required with all concealed-mount fastening systems.
*Loctite 262 recommended



The guidelines listed below will aid in a successful installation.



① Place (1) drop of thread locker on the first 1/2" of the threaded stud

② Tighten the threaded stud with thread locker into the vertical support by hand.

③ Slide any applicable below-counter flange or fender washers and then lock washer up the threaded stud

④ Tighten down the hex nut so the connection is firm. Do not overtighten.

Note:
For additional security, add a drop of the thread locker at the point on the stud where the hex nut will be tightened.

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INSTALLATION GUIDE

LED CONCEALED-MOUNT WIRING SYSTEMS

1. UNCOIL THE LED LAMP WIRE LEAD AND REMOVE THE TWO LOCK NUTS AND UNDER COUNTER WASHER

2. THREAD THE LED WIRE LEAD DOWN THROUGH THE COUNTER TOP AND SUBSTRATE

3. LOWER THE 1/2" THREADED RIGID CONDUIT NIPPLE DOWN THROUGH THE COUNTER TOP AND SUBSTRATE

4. THREAD THE UNDER COUNTER WASHER AND THE 2 LOCK NUTS BACK ONTO THE LED WIRE LEAD IN THAT ORDER, UNDER COUNTER WASHER FIRST.

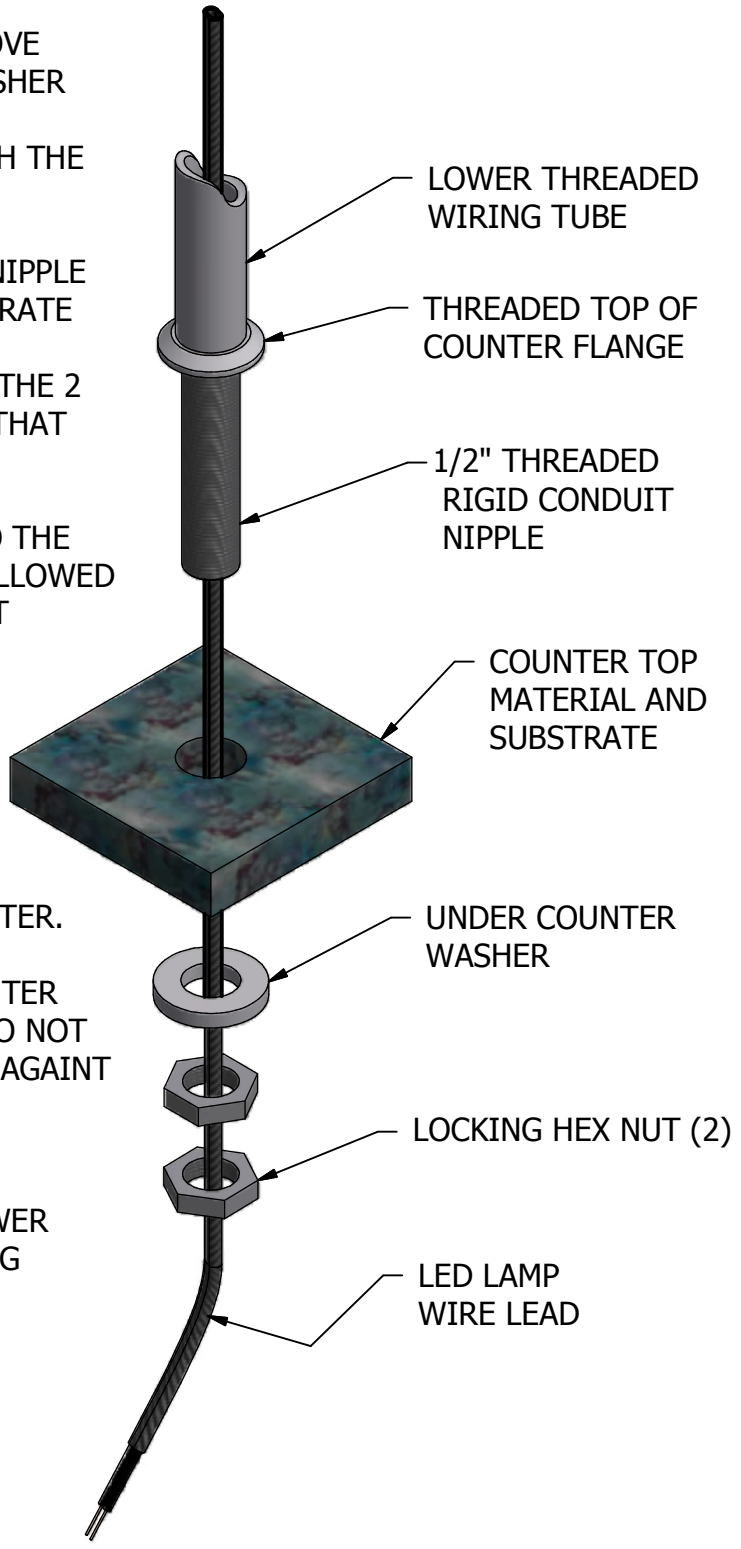
5. SLIP THE UNDER COUNTER WASHER UP ONTO THE EXPOSED THREAD OF THE THREADED NIPPLE FOLLOWED BY ONE OF THE LOCK NUTS. TIGHTEN THE FIRST LOCKNUT BY HAND.

6. START THE SECOND LOCKNUT ONTO THE THREADED NIPPLE AND LEAVE LOOSE.

7. MAKE ANY ABOVE THE COUNTER GUARD POSITION ADJUSTMENTS TO THE GUARD AND SCREW ABOVE COUNTER FLANGES TO THE COUNTER.

8. AFTER THE GUARD IS SECURED TO THE COUNTER TIGHTEN THE FIRST LOCK NUT SECURELY BUT DO NOT OVER TIGHTEN. RUN THE SECOND LOCKNUT UP AGAINT THE FIRST LOCK NUT AND LOCK THE TWO NUTS TOGETHER.

9. ROUTE THE LED WIRE LEAD TO THE LED POWER SUPPLY ENCLOSURE AND TERMINATE THE WIRING PER THE SCHEMATIC PROVIDED. FOLLOW ALL APPROVED N.E.C. STANDARDS AND LOCAL ELECTRICAL CODES.



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INSTALLATION GUIDE

FOODWARMER CONCEALED-MOUNT WIRING SYSTEMS

1. UNCOIL THE FOODWARMER WIRE LEAD. REMOVE THE CONDUIT COUPLING, LOCKNUT AND FLEXIBLE CONDUIT ASSEMBLY. THEN REMOVE THE TWO LOCK NUTS AND UNDER COUNTER WASHER.

2. THREAD THE FOODWARMER WIRE LEAD DOWN THROUGH THE COUNTER TOP AND SUBSTRATE.

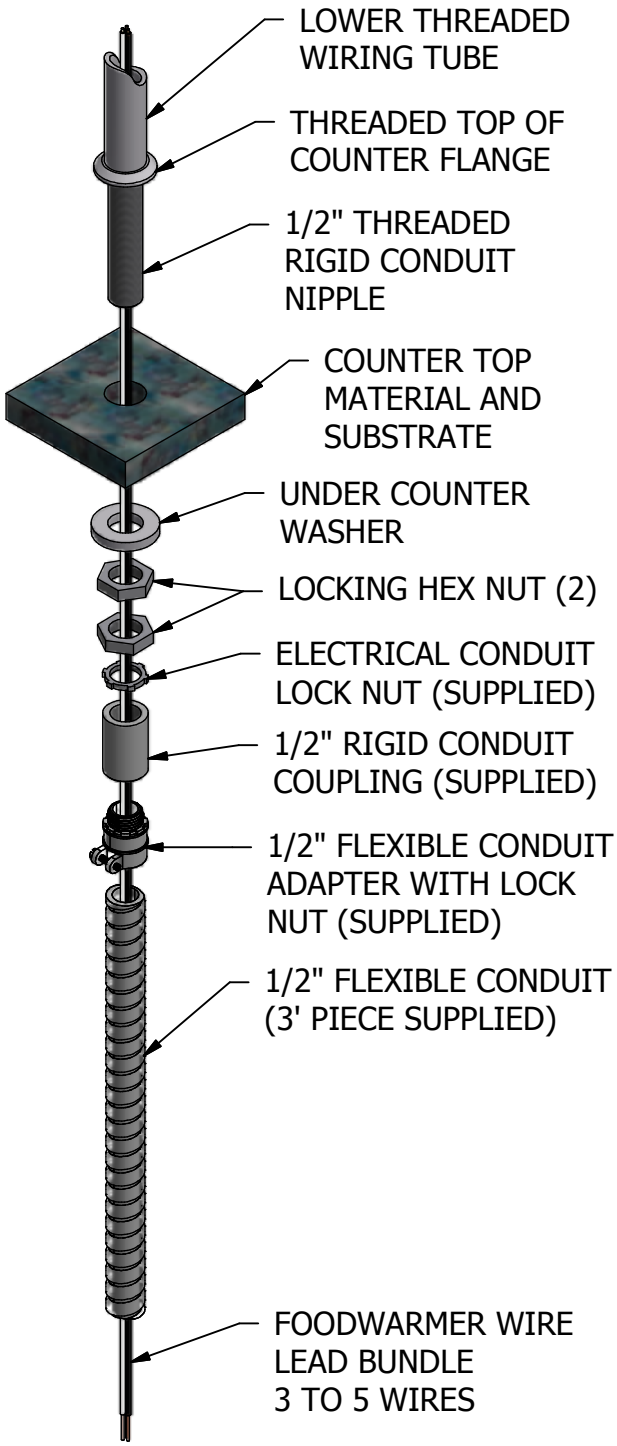
3. LOWER THE 1/2" THREADED RIGID CONDUIT NIPPLE DOWN THROUGH THE COUNTER TOP AND SUBSTRATE.

4. THREAD THE UNDER COUNTER WASHER AND THE 2 LOCK NUTS BACK ONTO THE LED WIRE LEAD IN THAT ORDER, UNDER COUNTER WASHER FIRST.

5. SLIP THE UNDER COUNTER WASHER UP ONTO THE EXPOSED THREAD OF THE THREADED NIPPLE FOLLOWED BY ONE OF THE LOCK NUTS. TIGHTEN THE FIRST LOCKNUT BY HAND.

6. START THE SECOND LOCKNUT ONTO THE THREADED NIPPLE AND LEAVE LOOSE.

7. MAKE ANY ABOVE THE COUNTER GUARD POSITION ADJUSTMENTS TO THE GUARD AND SCREW ABOVE COUNTER FLANGES TO THE COUNTER.

8. AFTER THE GUARD IS SECURED TO THE COUNTER TIGHTEN THE FIRST LOCK NUT SECURELY BUT DO NOT OVER TIGHTEN. RUN THE SECOND LOCKNUT UP AGAINT THE FIRST LOCK NUT AND LOCK THE TWO NUTS TOGETHER.

9. ROUTE THE FOODWARMER WIRE LEAD TO THE A/C POWER JUNCTION BOX AND TERMINATE ALL THE LEADS TO BE IN COMPLIANCE WITH N.E.C. STANDARDS AND LOCAL ELECTRICAL CODES.